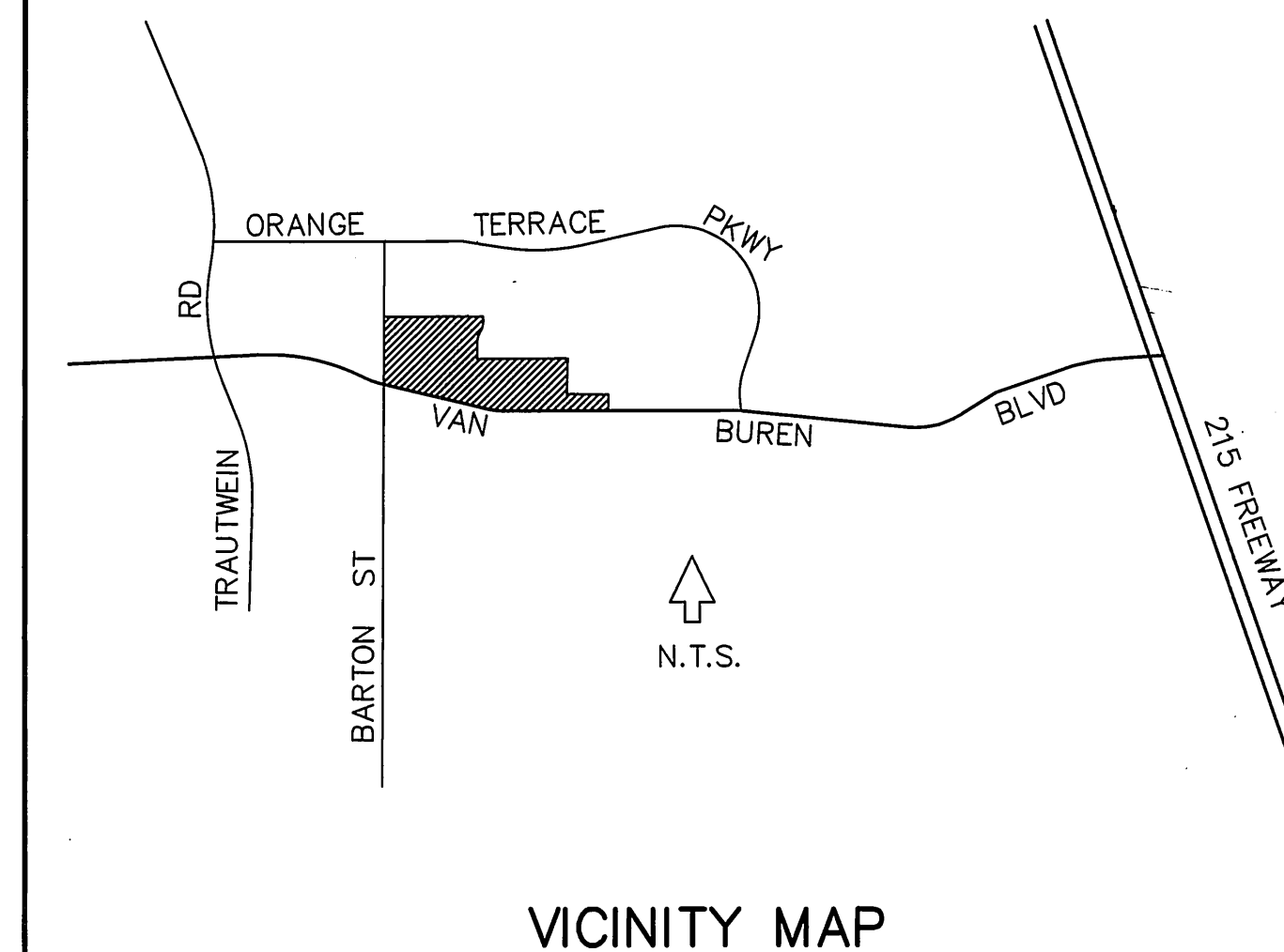
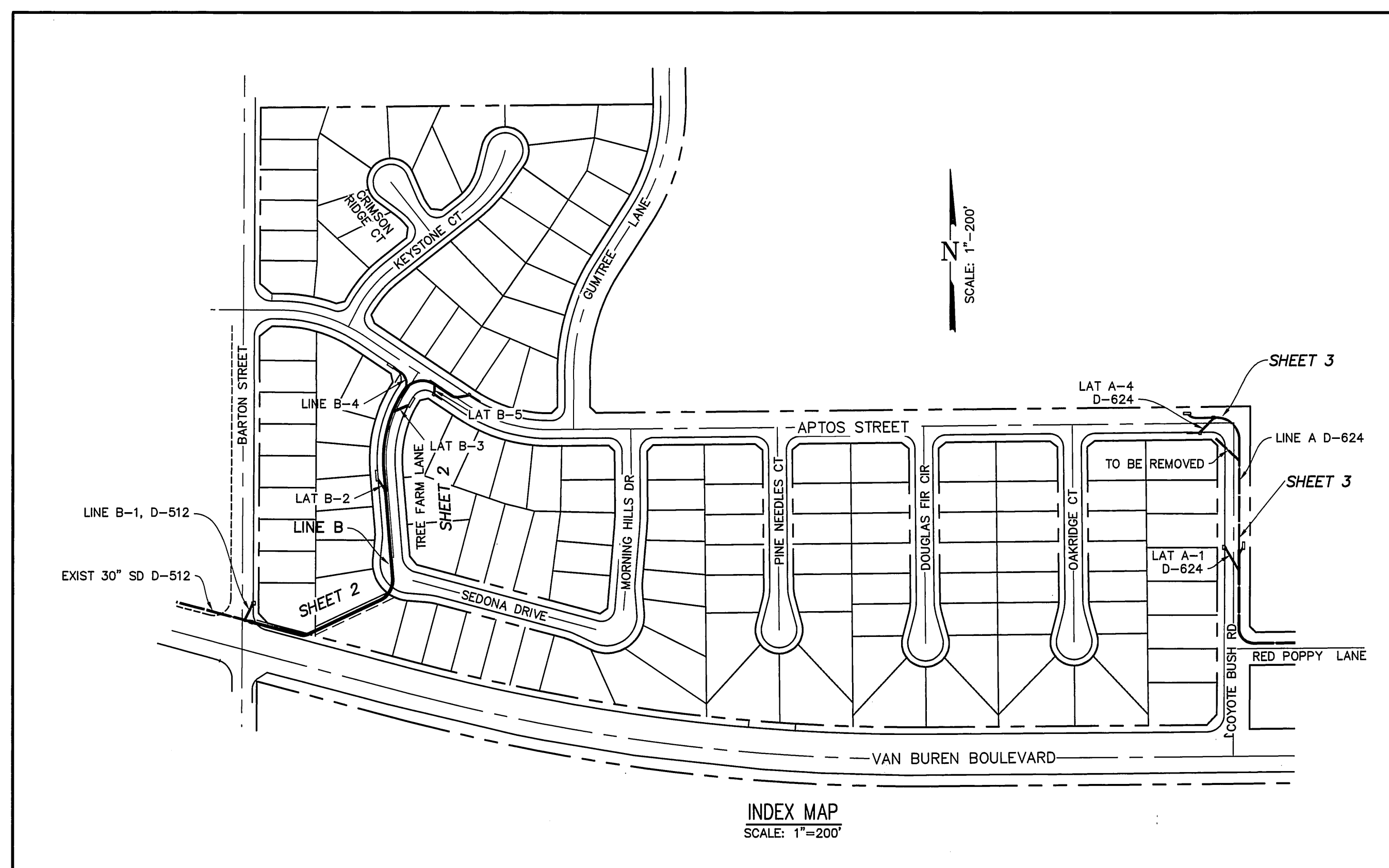


GENERAL NOTES

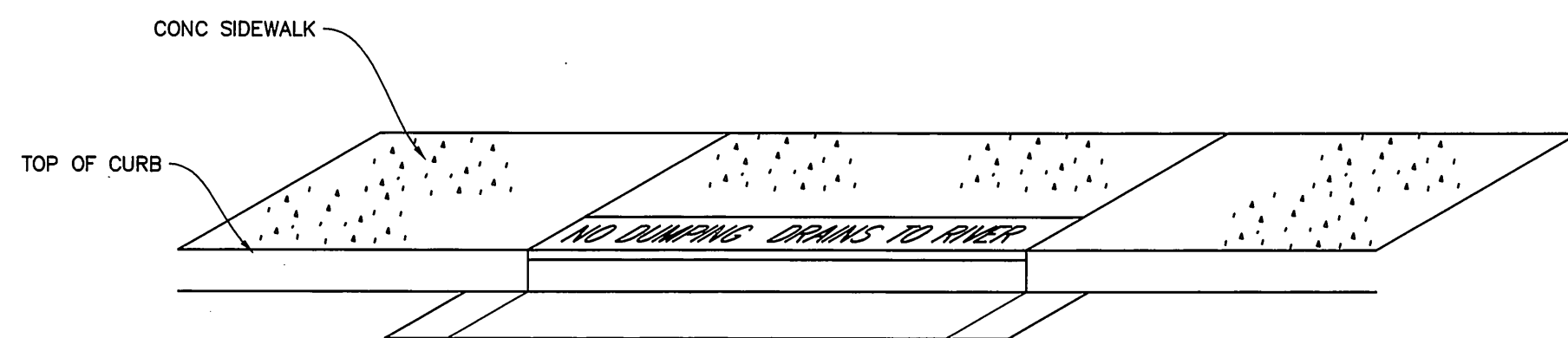
1. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPT. OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES, AND APPURTENANCES AND AT NO COST TO THE CITY.
4. NOTICE TO CONTRACTOR: THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
5. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AND ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
6. THE CONTRACTOR SHALL CALL IN A LOCATIONS REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. (800) 227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AND INQUIRY IDENTIFICATION NUMBER BY U.S.A.
7. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
8. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
9. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
10. THE CONCRETE COVER ON THE INSIDE OF ALL CONCRETE PIPE MUST BE INCREASED TO PROVIDE A MIN. OF 1.5" OVER THE REINFORCING WHEN THE DESIGN VELOCITIES EXCEED 20 FPS. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE: FC = 5000 PSI. FOR VELOCITIES EXCEEDING 20 FPS. AND FC = 6000 PSI. FOR VELOCITIES EXCEEDING 30 FPS.
11. TRENCH BACKFILL TO BE PER CITY OF RIVERSIDE STD. NO. 453.
12. THE CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETE.
13. CONTRACTOR SHALL VERIFY EXISTING STORM DRAIN ELEVATIONS PRIOR TO CONSTRUCTION.
14. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHT OF WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
15. ON ALL AREAS WITHIN THE PUBLIC RIGHT OF WAY WHERE FILL IS ONE FOOT OR GREATER, A LETTER WILL BE REQUIRED FROM THE SOIL ENGINEER, CERTIFYING THE COMPACTION OF THE FILL BELOW SUBGRADE, PRIOR TO ISSUANCE OF THE CONSTRUCTION PERMIT/CUT SHEETS.
16. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN 5 DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.

STORM DRAIN IMPROVEMENT PLANS FOR TRACT 29362

CONSTRUCTION NOTES AND ESTIMATED QUANTITIES^(a)

1	CONSTRUCT 42\" RCP 2300-D	509	LF
2	CONSTRUCT 36\" RCP 2000-D	263	LF
3	CONSTRUCT 24\" RCP 2000-D	143	LF
4	CONSTRUCT 18\" RCP 2200-D	115	LF
5	CONSTRUCT MANHOLE JM PER STD DWG 432	1	EA
6	CONSTRUCT CATCH BASIN PER STD PLAN 407	5	EA
7	REMOVE EXISTING HEADWALL	3	EA
8	REMOVE EX 24\" RCP TO MAINLINE AND PLUG OPENING WITH DOUBLE COURSE OF BRICK AND MORTAR	65	LF
9	CONSTRUCT CONCRETE COLLAR PER STD DWG 424	1	EA
10	CONSTRUCT JUNCTION STRUCTURE B PER STD DWG 421	1	EA
11	CONSTRUCT 30\" RCP 1300-D	8	LF
12	REMOVE 30\" RCP	5	LF
13	CONSTRUCT MANHOLE EZ PER STD. DWG. 431	2	LF
14	CONSTRUCT CATCH BASIN PER STD PLAN 405	3	EA

(a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING

CATCH BASIN STENCILING DETAIL
NO SCALE

NOTES

- A STENCILS SHALL HAVE 2" LETTERS AS FOLLOWS:
" NO DUMPING DRAINS TO RIVER"
- B PLACE BOTH STENCILS CENTERED ON THE CATCH BASIN OPENING AND WITHIN THE TOP OF CURB.
- C SPRAY BOTH STENCILS WITH WHITE PAINT.
- D REMOVE STENCILS WHEN PAINT IS DRY.

CHARTER COMMUNICATIONS

REVIEWED BY: *John J. Smith*

DATE: 6-1-00

CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT-ELECTRIC
OVERHEAD & UNDERGROUNDREVIEWED BY: *John J. Smith*

DATE: 6-1-00

SOUTHERN CALIFORNIA GAS COMPANY

REVIEWED BY: *Steve Kim*

DATE: 6/6/00

REVIEWED BY:

WESTERN MUNICIPAL WATER DISTRICT
for Non-Interference Compliance

Sheets 1 through 3

Jeff Sims
Civil Engineer RCE 46212

DATE: 6/5/00

*AS-BUILT PER PLANS 8-18-03 4A

BENCH MARK No. GPS-67 ELEV. 1757.219
LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5' DEEP IN
THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF
THE INTERSECTION WITH VAN BUREN BLVD. 1991 ADJThielmann
Engineers221 S GLASSSELL ST
ORANGE, CA 92666
(714) 744-9700, FAX (714) 744-9312

CITY BUSINESS TAX CERTIFICATE NO. 75345 EXP DATE 5/12/01

DATE	BY	MARK	REVISIONS	APPR.	DATE
	ENGINEER				
	DESIGNED BY JT		DRAWN BY JS	CHECKED BY GT	

PREPARED BY: *Jens Thielmann*
JENS THIELMANN
R.C.E. No. 25742
DATE: 6-1-00
EXP. DATE 12/31/01CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
P.W. ENG'G MANAGER		
STREET SERVICES	6/6/00	1m

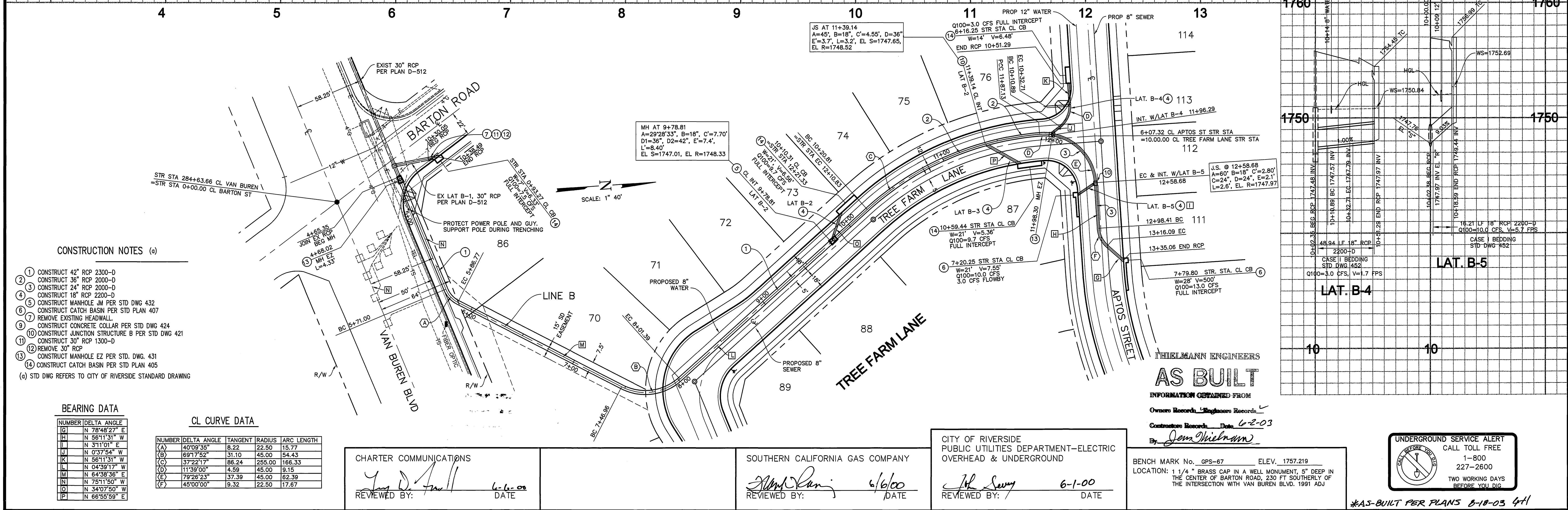
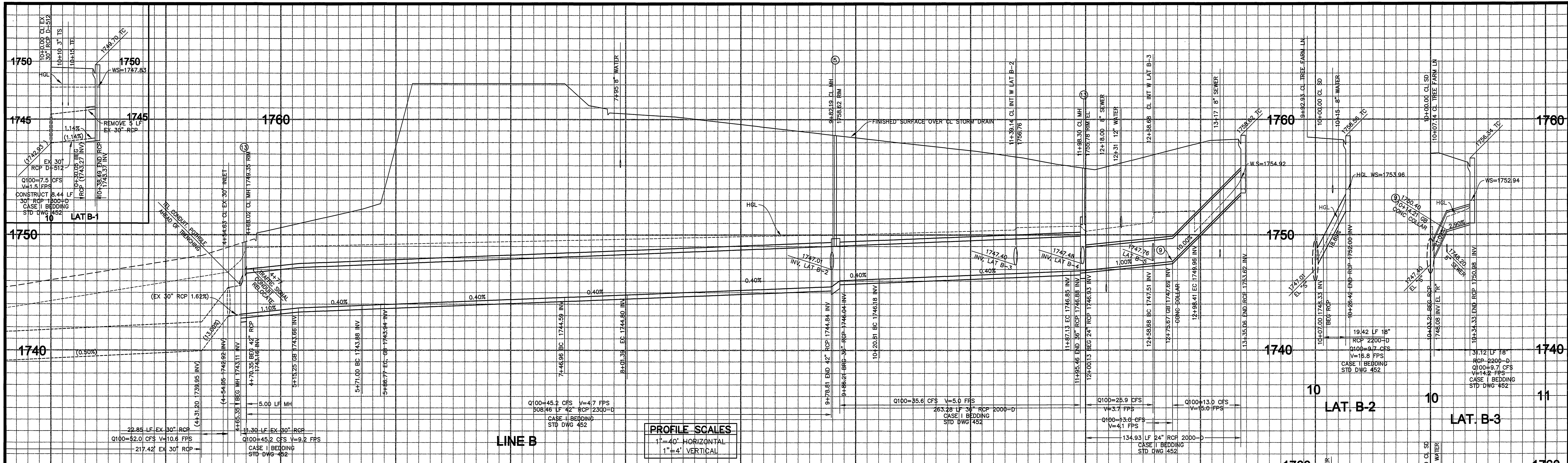
APPROVED BY: *R. McQuinn*
PUBLIC WORKS DIRECTOR
DATE: 6-28-2000STORM DRAIN PLAN
TRACT 29362-1
STORM DRAIN IMPROVEMENT PLANS
TITLE SHEET

ACCOUNT NO

D-675

SHEET 1 OF 3

INDEXED 8-10-2000 Lfh



CONSTRUCTION NOTES (a)

- CONSTRUCT 42" RCP 2300-D
- CONSTRUCT 36" RCP 2000-D
- CONSTRUCT 24" RCP 2000-D
- CONSTRUCT 18" RCP 2200-D
- CONSTRUCT MANHOLE JM PER STD DWG 432
- CONSTRUCT CATCH BASIN PER STD PLAN 407
- REMOVE EXISTING HEADWALL
- CONSTRUCT CONCRETE COLLAR PER STD DWG 424
- CONSTRUCT JUNCTION STRUCTURE B PER STD DWG 421
- CONSTRUCT 30" RCP 1300-D
- REMOVE 30" RCP
- CONSTRUCT MANHOLE EZ PER STD. DWG. 431
- CONSTRUCT CATCH BASIN PER STD PLAN 405

(a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING

BEARING DATA

NUMBER	DELTA	ANGLE
(G)	N 78°48'27"	E
(H)	N 56°11'31"	W
(I)	N 31°10'1"	E
(J)	N 03°37'54"	W
(K)	N 56°11'31"	W
(L)	N 04°39'17"	W
(M)	N 64°36'36"	E
(N)	N 75°11'50"	W
(O)	N 34°07'50"	W
(P)	N 66°55'59"	E

CL CURVE DATA

NUMBER	DELTA	ANGLE	TANGENT	RADIUS	ARC LENGTH
(A)	40°09'35"		8.22	22.50	15.77
(B)	69°17'52"		31.10	45.00	54.43
(C)	37°22'17"		86.24	255.00	166.33
(D)	11°39'00"		4.59	45.00	9.15
(E)	79°26'23"		37.39	45.00	62.39
(F)	45°00'00"		9.32	22.50	17.67

CHARTER COMMUNICATIONS

REVIEWED BY: *Jim D. [Signature]* DATE: 6-6-08

SOUTHERN CALIFORNIA GAS COMPANY

REVIEWED BY: *[Signature]* DATE: 6/6/00

CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD & UNDERGROUND

REVIEWED BY: *[Signature]* DATE: 6-1-00

THIELMANN ENGINEERS

AS BUILT

OWNERS RECORDS, ENGINEERS RECORDS, CONSTRUCTION RECORDS, DATA 6-2-03

By: *Jim Thielmann*

BENCH MARK No. GPS-67 ELEV. 1757.219

LOCATION: 1 1/4" BRASS CAP IN A WELL MONUMENT, 5" DEEP IN THE CENTER OF BARTON ROAD, 230 FT SOUTHERLY OF THE INTERSECTION WITH VAN BUREN BLVD, 1991 ADJ.

UNDERGROUND SERVICE ALERT

CALL TOLL FREE 1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

*AS-BUILT PER PLANS 8-18-03 441

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 6-1-00

PRINCIPAL ENGINEER: *[Signature]*

PARK DEPARTMENT

TRAFFIC DIVISION

P.W. ENG'G MANAGER

STREET SERVICES

6/6/00

STORM DRAIN PLAN

TRACT 29362-1

PLAN AND PROFILE

LINE "A"

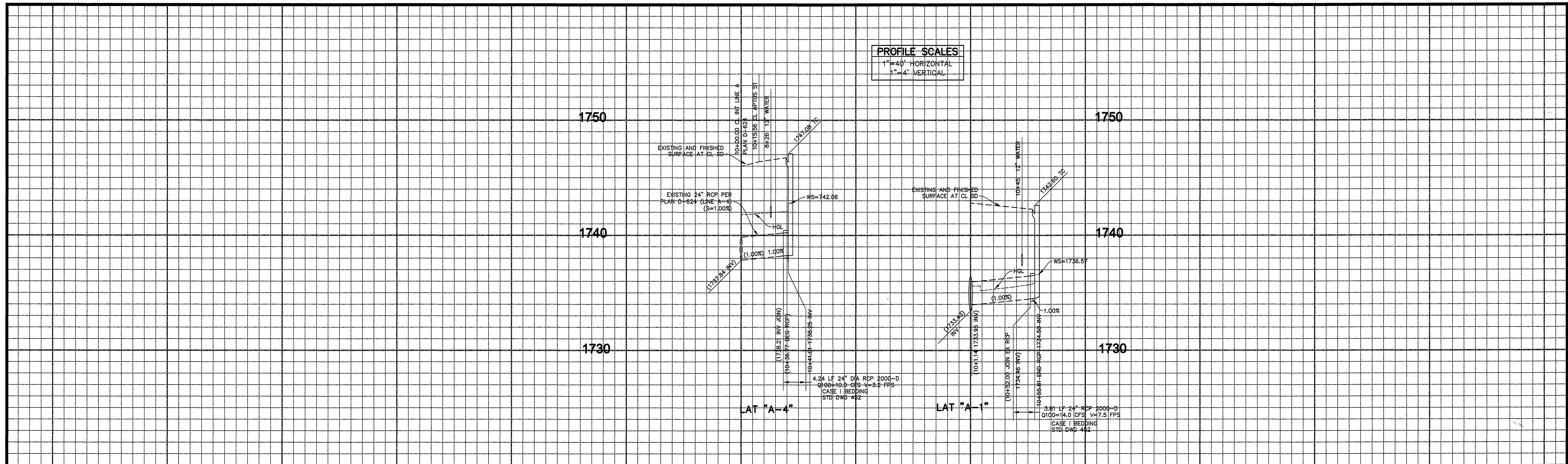
HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

ACCOUNT NO

D-675

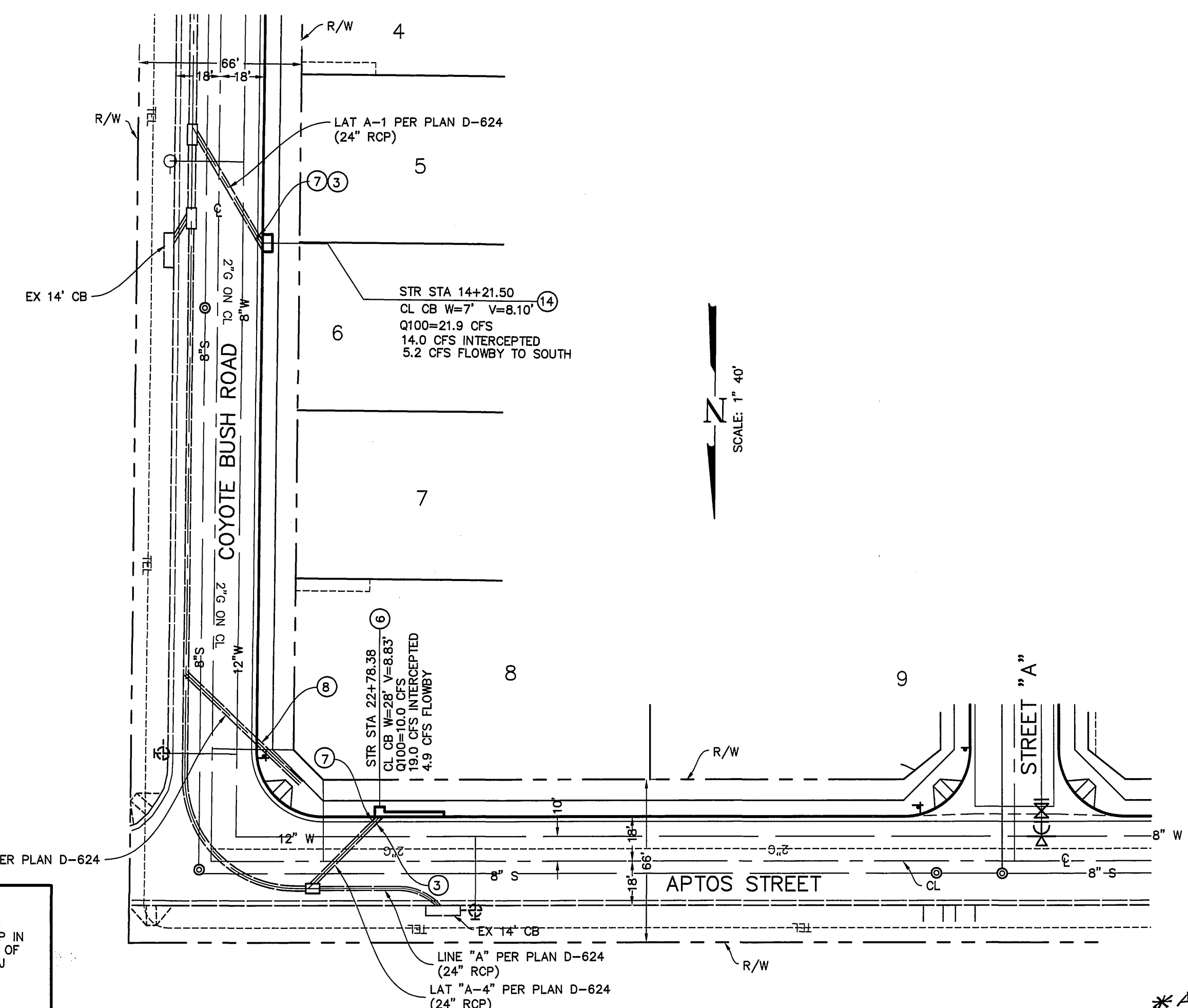
SHEET 2 OF 3

INDEXED 8-10-2000 LTH



CONSTRUCTION NOTES (a)

- ③ CONSTRUCT 24" RCP 2000-D
 - ⑥ CONSTRUCT CATCH BASIN PER STD PLAN 407
 - ⑦ REMOVE EXIST HEADWALL
 - ⑧ REMOVE EXIST 24" RCP TO MAIN LINE AND PLUG OPENING WITH DOUBLE COURSE OF BRICK AND MORTAR
 - ⑭ CONSTRUCT CATCH BASIN PER STD PLAN 405
- (a) STD DWG REFERS TO CITY OF RIVERSIDE STANDARD DRAWING



THIELMANN ENGINEERS
AS BUILT
INFORMATION OBTAINED FROM

Owner Records, Engineering Records, Construction Records, Date 6-2-03
By: *John Thielmann*

CHARTER COMMUNICATIONS
REVIEWED BY: *John Thielmann* DATE 6-6-00

CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT-ELECTRIC
OVERHEAD & UNDERGROUND
REVIEWED BY: *John Thielmann* DATE 6-1-00

SOUTHERN CALIFORNIA GAS COMPANY
REVIEWED BY: *John Thielmann* DATE 6/6/00

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Thielmann Engineers

221 S GLASSSELL ST
ORANGE, CA 92666
(714) 744-9700, FAX (714) 744-9312

CITY BUSINESS TAX CERTIFICATE NO. 75345 EXP DATE 5/12/01

DATE	BY	MARK	REVISIONS	APPR.	DATE
	ENGINEER				
	DESIGNED BY JT				
	DRAWN BY JS				
	CHECKED BY GT				



PREPARED BY: *Jens Thielmann* DATE 6-1-00
R.C.E. No. 25742 EXP. DATE 12/31/01

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: *R. Mc. Grath* DATE 6-28-2000
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
P.W. ENG'G MANAGER
STREET SERVICES

STORM DRAIN PLAN
TRACT 29362-1
PLAN AND PROFILE
LINE "B"

HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

ACCOUNT NO
D-675
SHEET 3 OF 3

INDEXED 8-10-2000 4th